3:Will and Spinden E-5 (1905) 1906
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Verendrye mentions their skill in making such things as painted ox-robes, deer skin, dressed buckskin, and ornamented fur and feathers, painted feathers, peltry, wrought garters, circlets for the head, and girdles. They certainly understood the art of dressing skins, though perhaps other nations equalled them. All their visitors speak of the ornamented robes for the decoration of which porcupine quills dyed various colors, or the pigments themselves, as paints, were used at first, though beads came gradually to take their places. The ornamentation consisted usually of representations of animals, and pictographic records. When leather got wet, it was beaten and rubbed with white clay which they always carried with them. This kept the robes soft. Then there were medicine bags, tobacco pouches, sheathes for knives and bows, all of skin, painted or embroidered with quills, such as are seen over the whole plains area. They had leather bridles for their horses, sometimes embroidered, and used a saddle, similar to that of the Dakotas. The horses were caught by means of long raw hide lariats which the Indians made themselves.

Whistles were also necessary articles to those belonging to the societies. Maximilian[1] describes them as "long wooden whistles at whose lower end an eagle feather on a string dangles." He says they also had large flute whistles, twenty inches long, with holes to vary the notes by application of the fingers. Besides these were the war whistles, usually made from the wing bone of some large bird. Other articles of bone, necessitated by the great use of skins, were the bone scrapers, needles and awls with which each house was profusely supplied.

Almost the only agricultural implements which they used were hoes. These were the shoulder blades of buffalo or occasionally of elk, which were cut down and to which a crooked stick was fastened as a handle.[2]

Among their cooking utensils, which were used in every hut, were spoons and ladles of bighorn and buffalo horns. Verendrye says some of these ladles held as much as three pints.

So far as the accounts go the Mandans did not make any textile fabric, though the Arikara are known to have made

[1] Op. cit., p. 416.

[2] Henry: vol. I, p. 343.

garters and belts of buffalo hair.

3:Will and Spinden E-5 (1905) 1906
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323 earthen pot of some three gallons, put a platter in the mouth of the pot which has a nitch on its edge through which to watch the beads. Then some well seasoned clay, mixed with sand and tempered with water till of the consistency of dough, is taken, and from it are made a number of little sticks of the size of the hole desired in the bead. These are heated to a red heat and cooled again. The pot is also heated to clean it. Then small balls of the clay are made to serve as pedestals for the beads. The powdered glass, enough for one bead, is dipped into the palm of the hand with a little wooden paddle, where it is paddled into an oblong form, the clay stick is then laid across it and the glass is wound around the clay. The whole is then rolled in the hand till regular. To put in other colors the other end of the paddle stick, which is sharp, is used to make a hole which is then filled with another colored glass. A hole is then made in the center of each pedestal and a bead stuck in it. Then the platter is put in the coals and the pot is inverted over it; dry wood is placed about the whole and burnt; the beads are watched through the hole in the bottom of the pot, as overheating is harmful. When the beads are whitish red and grow pointed, they are taken off. The clay center is picked out with an awl.

●415 323 Wooden bowls were used to some extent by the Mandans.[1] They also made very excellent pottery which was mentioned by nearly all their visitors. Verendrye says they had earthen pots which they used for cooking their food. Catlin speaks of earthenware dishes made in great quantities by the women and modelled into a thousand forms. He says they were of a tough, black clay, very hard, and were baked in prepared kilns. Henry[2] says they used large earthen pots of clay which was plentiful near the village. The pots held from one quart to five gallons. Nothing greasy was cooked in them as they claimed it cracked them. The bottoms of the pots were convex and they were set in the fire in a hole in the ashes. Coils of bois blanc fibres with a hole in the center, and of different sizes, were used to stand the pots on when off the fire. Some pots had two ears or handles.

[1] Catlin: vol. I, p. 114. [2] Op. cit., vol. I, p. 328.

6: Wied-Neuwied T-5 (1832-1834) 1843 NQ17 Mandan NQ17

The Mandans are hospitable, and often invite their acquaintance to come and see them. Their pipes are made of the red-stone, or of black clay. They obtain the red pipe-heads chiefly from the Sioux; sometimes they have wooden heads lined with stone; the tube is plain, long, round or flat, on the whole, of the same shape as among the Sioux, but they are not so fastidious about ornamenting their pipes as other tribes. They smoke the leaves of the tobacco plant, which is cultivated by them; the bark of the red willow *(Cornus sericea)*, which they obtain from the traders, is sometimes mixed with the tobacco, or the latter with the leaves of the bearberry *(Arbutus uva ursi)*. The tobacco of the Whites, unmixed, is too strong for the Indians, because they draw the smoke into their lungs; hence they do not willingly smoke cigars.

The meals of the Mandans are served in wooden dishes. The spoons are generally large and deep; they are made of the horn of the bighorn (see woodcut, p. 251); sometimes they are yellow, or else they are shallow, made of black buffalo's horn. They have a considerable variety of dishes. The Indians residing in permanent villages have the advantage of the roving hunting tribes, in that they not only hunt, but derive their chief subsistence from their plantations, which afford them a degree of security against distress. It is true these Indians sometimes suffer hunger when the buffalo herds keep at a great distance, and their crops fail; but the distress can never be so great among the Missouri Indians, as in the tribes that live further northwards. The plants which they cultivate are maize, beans, French beans, gourds, sunflowers, and tobacco *(Nicotiana quadrivalvis)*, of which I brought home some seeds, which have flowered in several botanic gardens.

Of maize there are several varieties of colour, to which they give different names. The several varieties are:—1. White maize. 2. Yellow maize. 3. Red maize. 4. Spotted maize. 5. Black maize. 6. Sweet maize. 7. Very hard yellow maize. 8. White, or red-striped maize. 9. Very tender yellow maize.*

The beans are likewise of various sorts—small white beans, black, red, and spotted beans. The gourds are—yellow, black, striped, blue, long, and thick-shelled gourds.

The sunflower is a large helianthus, which seems perfectly to resemble that cultivated in our gardens. It is planted in rows between the maize. There are two or three varieties, with red, and black, and one with smaller seeds. Very nice cakes are made of these seeds. The tobacco

* I brought to Europe specimens of the several kinds of maize grown among the Mandans; these have been sown, but only the early species were ripe in September, 1835. The heads have by no means attained the same size, on the Rhine, as in their native country. There the plant attains a height of five or six feet, and the colours of the grains are very various, bright and beautiful: while, on the Rhine, the plant grew to the height of four or four and a half feet. The later sorts grew to the height of ten feet, and were not quite ripe at the end of October. (See Bradbury, page 145, for an account of the maize of the Mandans.)

According to Tanner (page 180), an Ottawa Indian first introduced the cultivation of maize on the Red River, among the Ojibwas, or Chippeways.

7: Catlin R, E-5 (1832-1840) 1857
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123 156 I had thus far progressed, with high-wrought feelings of pleasure, when the two or three chiefs, who had been seated around the lodge, and whose portraits I had before painted, arose suddenly, and wrapping themselves tightly in their robes, crossed my room with a quick and heavy step, and took an informal leave of my cabin. I was apprehensive of their displeasure, though I continued my work; and in a few moments the interpreter came furiously into my room, addressing me thus:—"My God, Sir! this never will do; you have given great offence to the chiefs—they have made complaint of your conduct to me—they tell me this is a worthless fellow—a man of no account in the nation, and if you paint his picture, you must instantly destroy theirs; you have no alternative, my dear Sir—and the quicker this chap is out of your lodge the better."

The same matter was explained to my sitter by the interpreter, when he picked up his robe, wrapped himself in it, plied his fan nimbly about his face, and walked out of the lodge in silence, but with quite a consequential smile, taking his old position in front of the door for awhile, after which he drew himself quietly off without further exhibition. So highly do Mandan braves and worthies value the honour of being painted; and so little do they value a man, however lavishly Nature may have bestowed her master touches upon him, who has not the pride and noble bearing of a warrior.

000 I spoke in a former Letter of Mah-to-toh-pa (the four bears), the second chief of the nation, and the most popular man of the Mandans—a high-minded and gallant warrior, as well as a polite and polished gentleman. Since I painted his portrait, as I before described, I have received at his hands many marked and signal attentions; some of which I must name to you, as the very relation of them will put you in possession of many little forms and modes of Indian life, that otherwise might not have been noted.

574 About a week since, this noble fellow stepped into my painting-room about twelve o'clock in the day, in full and splendid dress, and passing his arm through mine, pointed the way, and led me in the most gentlemanly manner, through the village and into his own lodge, where a feast was prepared in a careful manner and waiting our arrival. The lodge in which he [342] dwelt was a room of immense size, some forty or fifty feet in diameter, in a circular form, and about twenty feet high—with a sunken curb of stone in the centre, of five or six feet in diameter and one foot deep, which contained the fire over which the pot was boiling. I was led near the edge of this curb, and seated on a very handsome robe, most ingeniously garnished and painted with hieroglyphics; and he seated himself gracefully on another one at a little distance from me; with the feast prepared in several dishes, resting on a beautiful rush mat, which was placed between us (PLATE 62).

262 264 415 The simple feast which was spread before us consisted of three dishes only, two of which were served in wooden bowls, and the third in an earthen vessel of their own manufacture, somewhat in shape of a bread-tray in our own country. This last contained a quantity of *pem-i-can* and *marrow-*

7: Catlin R, E-5 (1832-1840) 1857
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fat; and one of the former held a fine brace of buffalo ribs, delightfully roasted; and the other was filled with a kind of paste or pudding, made of the flour of the "*pomme blanche*," as the French call it, a delicious turnip of the prairie, finely flavoured with the buffalo berries, which are collected in great quantities in this country, and used with divers dishes in cooking, as we in civilized countries use dried currants, which they very much resemble.

A handsome pipe and a tobacco-pouch made of the otter skin, filled with k'nick-k'neck (Indian tobacco), laid by the side of the feast; and when we were seated, mine host took up his pipe, and deliberately filled it; and instead of lighting it by the fire, which he could easily have done, he drew from his pouch his flint and steel, and raised a spark with which he kindled it. He drew a few strong whiffs through it, and presented the stem of it to my mouth, through which I drew a whiff or two while he held the stem in his hands. This done, he laid down the pipe, and drawing his knife from his belt, cut off a very small piece of the meat from the ribs, and pronouncing the words "Ho-pe-ne-chee wa-pa-shee" (meaning a *medicine* sacrifice), threw it into the fire.

He then (by signals) requested me to eat, and I commenced, after drawing out from my belt my knife (which it is supposed that every man in this country carries about him, for at an Indian feast a knife is never offered to a guest). Reader, be not astonished that I sat and ate my dinner *alone*, for such is the custom of this strange land. In all tribes in these western regions it is an invariable rule that a chief never eats with his guests invited to a feast; but while they eat, he sits by, at their service, and ready to wait upon them; deliberately charging and lighting the pipe which is to be passed around after the feast is over. Such was the case in the present instance, and while I was eating, Mah-to-toh-pa sat cross-legged before me, cleaning his pipe and preparing it for a cheerful smoke when I had finished my meal. For this ceremony I observed he was making unusual preparation, and I observed as I ate, that after he had taken enough of the k'nick-k'neck or bark of the red willow, from his pouch, he rolled out of it also a piece of the "*castor*," which it is customary amongst these folks to carry in their tobacco-sack to give it a flavour; and, shaving off a small quantity of it, mixed it with the bark, with which he charged his pipe. This done, he drew also from his sack a small parcel containing a fine powder, which was made of dried buffalo dung, a little of which he spread over the top, (according also to custom,) which was like tinder, having no other effect than that of lighting the pipe with ease and satisfaction. My appetite satiated, I straightened up, and with a whiff the pipe was lit, and we enjoyed together for a quarter of an hour the most delightful exchange of good feelings, amid clouds of smoke and pantomimic signs and gesticulations.

The dish of "pemican and marrow-fat," of which I spoke, was thus:—The first, an article of food used throughout this country, as familiarly as we use

7: Catlin R, E-5 (1832-1840) 1857
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bread in the civilized world. It is made of buffalo meat dried very hard, and afterwards pounded in a large wooden mortar until it is made nearly as fine as sawdust, then packed in this dry state in bladders or sacks of skin, and is easily carried to any part of the world in good order. "Marrow-fat" is collected by the Indians from the buffalo bones which they break to pieces, yielding a prodigious quantity of marrow, which is boiled out and put into buffalo bladders which have been distended; and after it cools, becomes quite hard like tallow, and has the appearance, and very nearly the flavour, of the richest yellow butter. At a feast, chunks of this marrow-fat are cut off and placed in a tray or bowl, with the pemican, and eaten together; which we civilized folks in these regions consider a very good substitute for (and indeed we generally so denominate it) "bread and butter." In this dish laid a spoon made of the buffalo's horn, which was black as jet, and beautifully polished; in one of the others there was another of still more ingenious and beautiful workmanship, made of the horn of the mountain-sheep, or "Gros corn," as the French trappers call them; it was large enough to hold of itself two or three pints, and was almost entirely transparent.

I spoke also of the earthen dishes or bowls in which these viands were served out; they are a familiar part of the culinary furniture of every Mandan lodge, and are manufactured by the women of this tribe in great quantities, and modelled into a thousand forms and tastes. They are made by the hands of the women, from a tough black clay, and baked in kilns which are made for the purpose, and are nearly equal in hardness to our own manufacture of pottery; though they have not yet got the art of glazing, which would be to them a most valuable secret. They make them so strong and serviceable, however, that they hang them over the fire as we do our iron-pots, and boil their meat in them with perfect success. I have seen some few specimens of such manufacture, which have been dug up in Indian mounds and tombs in the southern and middle states, placed in our Eastern Museums and looked upon as a great wonder, when here this novelty is at once done away with, and the whole mystery; where women can be seen handling and using them by hundreds, and they can be seen every day in the summer also, moulding them into many fanciful forms, and passing them through the kiln where they are hardened.

Whilst sitting at this feast the wigwam was as silent as death, although we were not alone in it. This chief, like most others, had a plurality of wives, and all of them (some six or seven) were seated around the sides of the lodge, upon robes or mats placed upon the ground, and not allowed to speak, though they were it readiness to obey his orders or commands, which were uniformly given by signs manual, and executed in the neatest and most silent manner.

When I arose to return, the pipe through which we had smoked was presented to me; and the robe on which I had sat, he gracefully raised by the corners and tendered it to me, explaining by signs that the paintings

7: Catlin R, E-5 (1832-1840) 1857
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was laid, and firmly attached to it, a coating of deers' sinews, which gave it its elasticity, and of course death to all that stood inimically before it. Its string was three stranded and twisted of sinews, which many a time had twanged and sent the whizzing death to animal and to human victims. 411

The *Quiver* was made of a panther's skin and hung upon his back, charged with its deadly arrows; some were poisoned and some were not; they were feathered with hawks' and eagles' quills; some were clean and innocent, and pure, and others were stained all over, with animal and human blood that was dried upon them. Their blades or points were of flints, and some of steel; and altogether were a deadly magazine.

The *Lance* or spear was held in his left hand; its blade was two-edged and of polished steel, and the blood of several human victims was seen dried upon it, one over the other; its shaft was of the toughest ash, and ornamented at intervals with tufts of war-eagles' quills.

His *Tobacco-sack* was made of the skin of an otter, and tastefully garnished with quills of the porcupine; in it was carried his *k'nick-k'neck*, (the bark of the red willow, which is smoked as a substitute for tobacco), it contained also his flint and steel, and spunk for lighting———— 276

His *Pipe*, which was ingeniously carved out of the red steatite (or pipe-stone), the stem of which was three feet long and two inches wide, made from the stalk of the young ash; about half its length was wound with delicate braids of the porcupine's quills, so ingeniously wrought as to represent figures of men and animals upon it. It was also ornamented with the skins and beaks of wood-peckers' heads, and the hair of the white buffalo's tail. The lower half of the stem was painted red, and on its edges it bore the notches he had recorded for the snows (or years) of his life.

His *Robe* was made of the skin of a young buffalo bull, with the fur on one side, and the other finely and delicately dressed; with all the battles of his life emblazoned on it by his own hand. 292

His *Belt*, which was of a substantial piece of buckskin, was firmly girded around his waist; and in it were worn his tomahawk and scalping-knife.

His *Medicine-bag* was the skin of a beaver, curiously ornamented with hawks' bills and ermine. It was held in his right hand, and his *po-ko-mo-kon* (or war-club) which was made of a round stone, tied up in a piece of rawhide, and attached to the end of a stick, somewhat in the form of a sling, was laid with others of his weapons at his feet. 415 ● 411

Such was the dress of Mah-to-toh-pa when he entered my wigwam to stand for his picture; but such I have not entirely represented it in his portrait; having rejected such trappings and ornaments as interfered with the grace and simplicity of the figure. He was beautifully and extravagantly dressed; and in this he was not alone, for hundreds of others are equally elegant. In plumes, and arms, and ornaments, he is not singular; but in laurels and wreaths he stands unparalleled. His breast has been bared and scarred in defence of his country, and his brows crowned with honours 159

10: Neill H4(no date) 1884 NQ17 Mandan NQ17

formed by the women in the morning.[1] Their sweet corn and beans are boiled whole; they make use of large earthen pots of their own manufacture, made of black clay, of which they have plenty near their villages. They make them of different sizes, from five gallons to a quart. In these vessels is never anything of a greasy nature.[1] * * * * * The bottoms of the pots are of an oblong shape; it therefore requires much care to keep them from upsetting, for which purpose when they are put to the fire a hole is made in the ashes to secure and prop them erect, and when taken away they are placed upon a sort of mat made of the fibers of the bois blanc; these coils or rugs are made of different sizes, according to the dimensions of the several pots, which keeps them firm and secure. Some of these pots are provided with two cones, or handles.[1] * *

Baptiste La France made his appearance here. This man had left the Prairie la Souris [Mouse River] with a small assortment of goods for the purpose of trading, equipped by the Hudson Bay Company. He now resides upon the south side of the river, at the great Mandane village,* and hearing of the arrival of white people, he came over to us. He now informed the chief, Black Cat, who his guests were and the cause of our visit, which was mere curiosity. [The chief] instantly retired to his family hut and brought out his flag, which was given him in 1804–5; they alsogave him a silver medal, and the same articles were also given to the principal chief of each of the other villages, also several very useful utensils were left amongst them.† I saw the remains of an excellent large corn mill, which the foolish fellows had demolished on purpose to barb their arrows; the largest piece of it which they could not break nor work up into any weapon they have now fixed to a wooden handle, and make use of it to pound marrow bones, to make grease."

We were now desirous of crossing the river, therefore sent off La France to engage people of the opposite village to come over for us.[2] * * * * * * * We were now informed that eight canoes were in waiting for us, from the opposite side, and the same number of young men had come over to assist in crossing our horses.[2] * * * * On our going over to the war side we found the chief of the Great Mandan village, Le Gros Blanc. He was waiting with his own canoe to ferry over Mr. Chaboillez and me. He appeared very

† To each chief, Lewis and Clarke presented a medal, a flag, and a uniform coat. In the narrative of the expedition is the following sentence: "A variety of other presents were distributed, but none seemed to give them more satisfaction than the iron corn mill, which we gave to the Mandans."

† The Mandans, about 1760, were settled on the banks of the Missouri, eighty miles below, seven villages on the west and two on the east side of the river. The two villages were reduced by small-pox, and moved up the river and settled a village near the Receivers, and afterwards the people of the other village joined them. In 1796 they were in two villages at the points where Henry found them, on opposite sides of Missouri, about three miles apart.

[1] [Category 116, p. 328.-A.] [2] [Category 116, p. 328.-A]

832 repair to the cornfields and are soon followed by the young men,
834 who enjoy their company and take every liberty. The young men then return, and, if no hunting party offers, pass the day on
461 the tops of the huts, sleeping in the sun, or strolling from hut to
526 hut, eating corn and smoking Missourie tobacco. At other times they amuse themselves by running races either on foot or horseback, and performing warlike manoeuvres; they have also a favorite game which occupies much of their time.

512 [328]... this is the first work performed by the women in the
515 morning after having paid their devoirs to their lovers and washed themselves in the Missourie. ... every family being provided
●415 with a brass or copper kettle for the purpose of cooking flesh.
177 Whether this proceeds from superstition or not I cannot pretend to
771 say, but they assured me that any kind of flesh cooked in those
574 earthen pots would cause them to split. One or more of the largest kind is constantly boiling prepared corn and beans, and all who come in are welcome to help themselves to as much as they can eat of the contents.

231 .....Early this morning our young hostler took our horses to feed
437 in the meadow but never allowed them to be for a moment out of
648 his sight, lest the Assiniboines or other enemies might steal them. We purchased sweet corn, beans, meal, and various other trifles, for which we paid in ammunition, beads, and tobacco.

439 [329] It would have been in vain for us to attempt to prevail upon anyone in this village to ferry us over; for, as long as a stranger has any property, they wish him to trade all he brings in the first village he enters, every village being ambitious of getting as many
439 European articles as they can, [330] particularly arms and ammuni-
609 tion. This is good policy; for, notwithstanding they are so near each other, and live in amity, they are not free from jealousy, and have
578 often had serious misunderstandings, sometimes ending in the death
569 of an individual, and nearly occasioning civil war. They have also to guard against their natural enemies, the Sioux, who are at no great distance. The Pawnees, also, with whom the Mandanes formerly lived in the same villages, are now their most inveterate enemies. Arms and ammunition are, therefore, necessary articles, and every-one has a stock of ball and powder laid up in case of emergency.

675 We packed up our purchases, and gave them into the care of the
673 landlord. These people are much given to thieving, but in the hut
[577] in which a stranger is lodged, his property may be left in perfect security; none dare touch it, as the master conceives his honor concerned in whatever is placed under his immediate protection. Out of doors, if they can pick your pocket, or pilfer any article,